

# Enhanced Ecosystem-based Management Initiative

Paul Michel  
Superintendent  
MBNMS

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# MBNMS core values

- Science-based
- Public input and stakeholder involvement
- Collaborative: interagency, stakeholders, scientists
- Transparent management

MBNMS seeks to maintain and restore a healthy Sanctuary ecosystem supporting healthy biological communities and populations, and sustainable uses, economies and coastal communities.

# MBNMS Ecosystem Objectives

- Protect unique and rare places within MBNMS in their natural state for future generations
- Protect areas within MBNMS where natural ecosystem components are maintained and/or restored
- Establish research areas within MBNMS that can be used to differentiate between natural variation versus human impacts to ecological processes and components

# Partner Feedback 2008 - 2009

- Sanctuary Advisory Council & MPA subcommittee
- NMFS NWR
- NMFS SWR
- NMFS Science Centers
- PFMC staff
- CDFG
- NOAA's National MPA Center
- The Nature Conservancy

# Integrated Ecosystem-Based Management

Comprehensive approach that considers  
multiple management objectives with  
partner agencies

# MBNMS Ecosystem Objectives

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- Protect areas within MBNMS where natural ecosystem components are maintained and/or restored
- Establish research areas within MBNMS that can be used to differentiate between natural variation versus human impacts to ecological processes and components
- Promote ecologically and economically sustainable uses, including fisheries in the Sanctuary

# Complementary management initiatives

- MLPA MPAs
- Address fishing impacts to benthic habitat
- EFH - 5 year review
- Economically and ecologically viable community-based fisheries.
- Community Fishing Association
- PFMC's Ecosystem FMP
- Sustainable fisheries certification program
- National System of MPAs
- NOAA's Integrated Ecosystem Assessment of the California Current

# Integrated Ecosystem Assessment (IEA)

- A process to inform and achieve ecosystem goals
- A process to evaluate various management actions
- NOAA's 2009-2014 Strategic Plan for ecosystem approaches to management
- Identified by NOAA scientists as a critical tool for EBM



# West Coast IEA

- FY10 work plan focused on salmon, green sturgeon, groundfish and **ecosystem health**
- Suited to address several analytical needs to inform ecosystem-based management
  - Development and testing of indicators that reflect ecosystem attributes of interest: i.e. ecosystem health, natural ecosystem components, ecosystem integrity or resilience
  - Overall ecosystem assessment and evaluation: may prove useful in evaluating current ecosystem status and the effect of any proposed management measures on ecosystem status or other attributes of interest.

# Enhanced Ecosystem Management Initiative

- MBNMS focused on EBM goals
- Including complementary partner tools and approaches to meet EBM goals
- Engaging with partners to address EBM goals in a collaborative phased approach

# Enhanced Ecosystem Management Initiative

*A healthy Sanctuary ecosystem supports sustainable uses, economies and coastal communities*

informs

## Analytical Input

- West Coast IEA
- NMPAC's workshop: 'Priority Conserv. Areas'
- MBNMS workshops: 'Ecosystem services' 'Research Areas' 'Threats to Offshore Areas'
- EFH 5 year review

advises

## Stakeholder Input

- SAC
- Stakeholder workshops
- Partner advice

implements

## Implementation Pathways

- EFH amendment
- TNC CCGP
- Ecosystem FMP
- ONMS regulations

# MBNMS commitments

- MBNMS committed to working with SAC and our partners
- MBNMS committed to understanding the ecological and socioeconomic impacts on any proposed actions
- Any proposed action would be accompanied by full analysis, as required by NEPA and APA